

Title (en)

APPARATUS FOR POSITIONING PRODUCTS AT FIXED POSITIONS WHEN THESE ARE ADVANCING IN A ROW TOP OF A CONVEYOR BELT

Publication

**EP 0422635 B1 19930929 (EN)**

Application

**EP 90119487 A 19901011**

Priority

IT 6788189 A 19891013

Abstract (en)

[origin: EP0422635A1] An apparatus for moving near each other at a preset distance products (13,14) which are advancing along conveyor belts (22,23) with pulse generators (E) applied so to measure their advancement, and at least a photocell (11) connected with a belt and able to intercept the products while advancing. The apparatus comprises first counter means for measuring the space between two successive products, connected with one of said pulse generators and a photocell (11), fixed on a first conveyor belt (22); second counter means (19) connected with respective pulse generators of said first belt (22) and with a successive belt (23) connected with a buffer storage (18) which represents the binary numerical expression of the space to be widened or reduced between two successive products and which memorizes the output signal from a pulse adder (16) of the pulse generator (E1) of said first belt (22) and said pulses are compared with a pre-established value of the desired distance; the output of said counter means (19) being connected to a motor (21) by means of a D/A converter (20), which can realize or not a variation of the speed of the upstream belt (22), according to the pulses of said second counter (19) activated by the passage of a product under said photocell; a logic control member (12) being also provided and operatively connected with said counter means (19) and said buffer storage (18).

IPC 1-7

**B65G 43/08**; **B65G 47/31**

IPC 8 full level

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CPC (source: EP US)

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Cited by

CN109592375A; EP2356048A4; CN107454889A; ES2138499A1; EP1847488A1; EP3081513A1; EP1792857A1; FR2894234A1; US9957114B2; US6259967B1; WO2011038440A1; WO9507853A1; EP0706960B1; WO2016165876A1; EP3210896B1; EP2657138B1

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